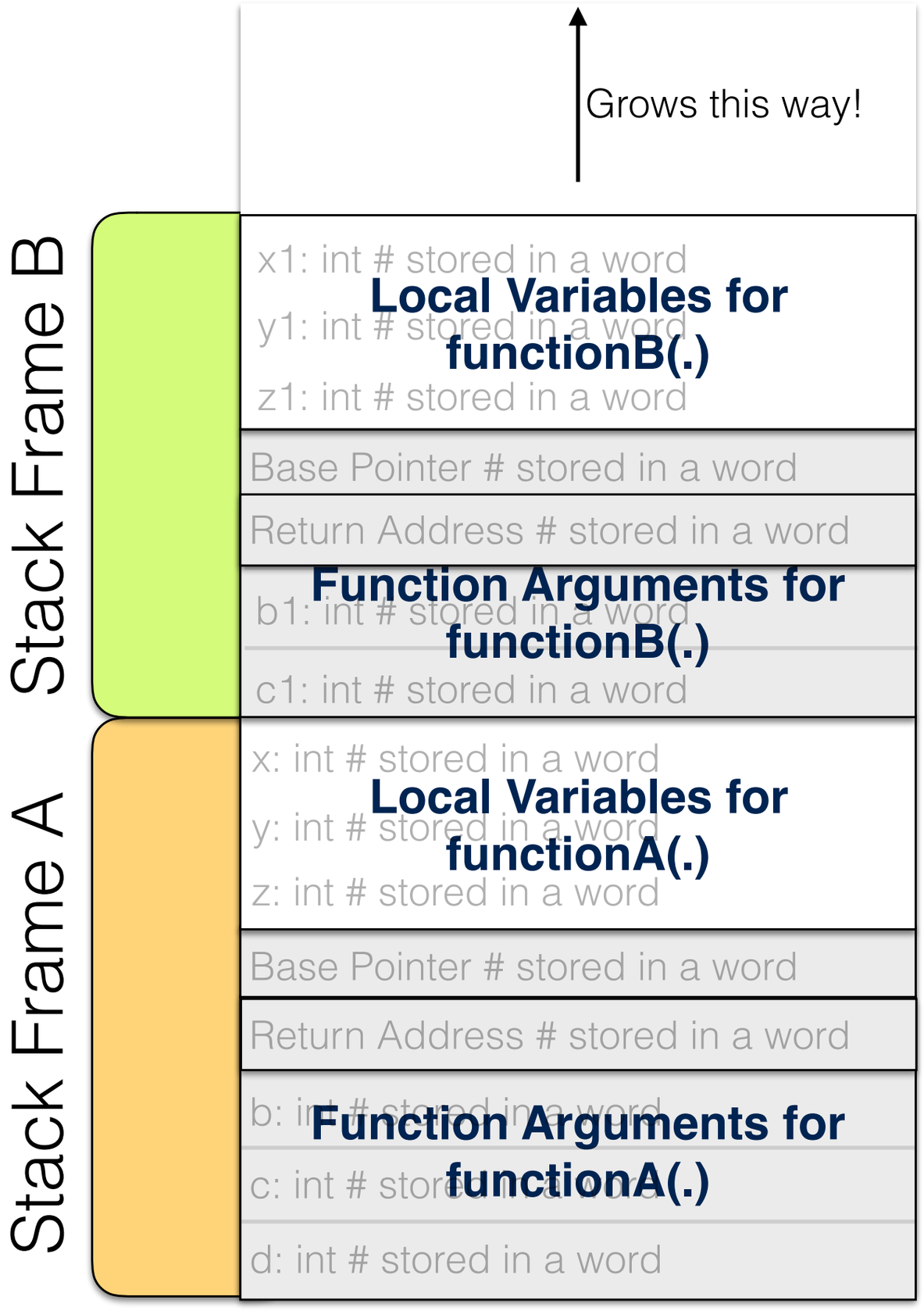
Technical Cybersecurity

You look smashing!

Buffer Overflows

What's the plan?

- Create a vulnerable program
- Exploit vulnerable program
- Profit! (well, not so much)



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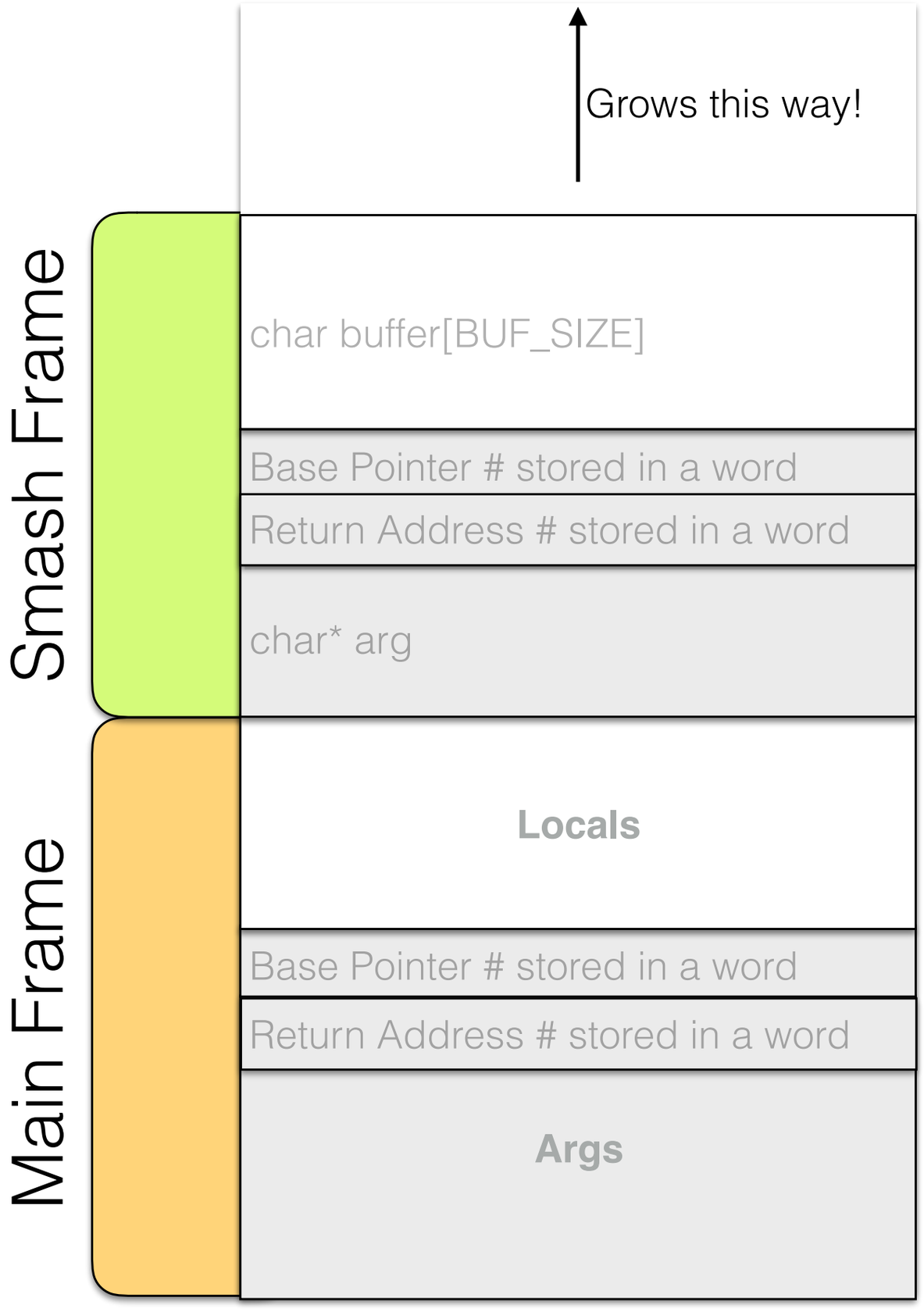

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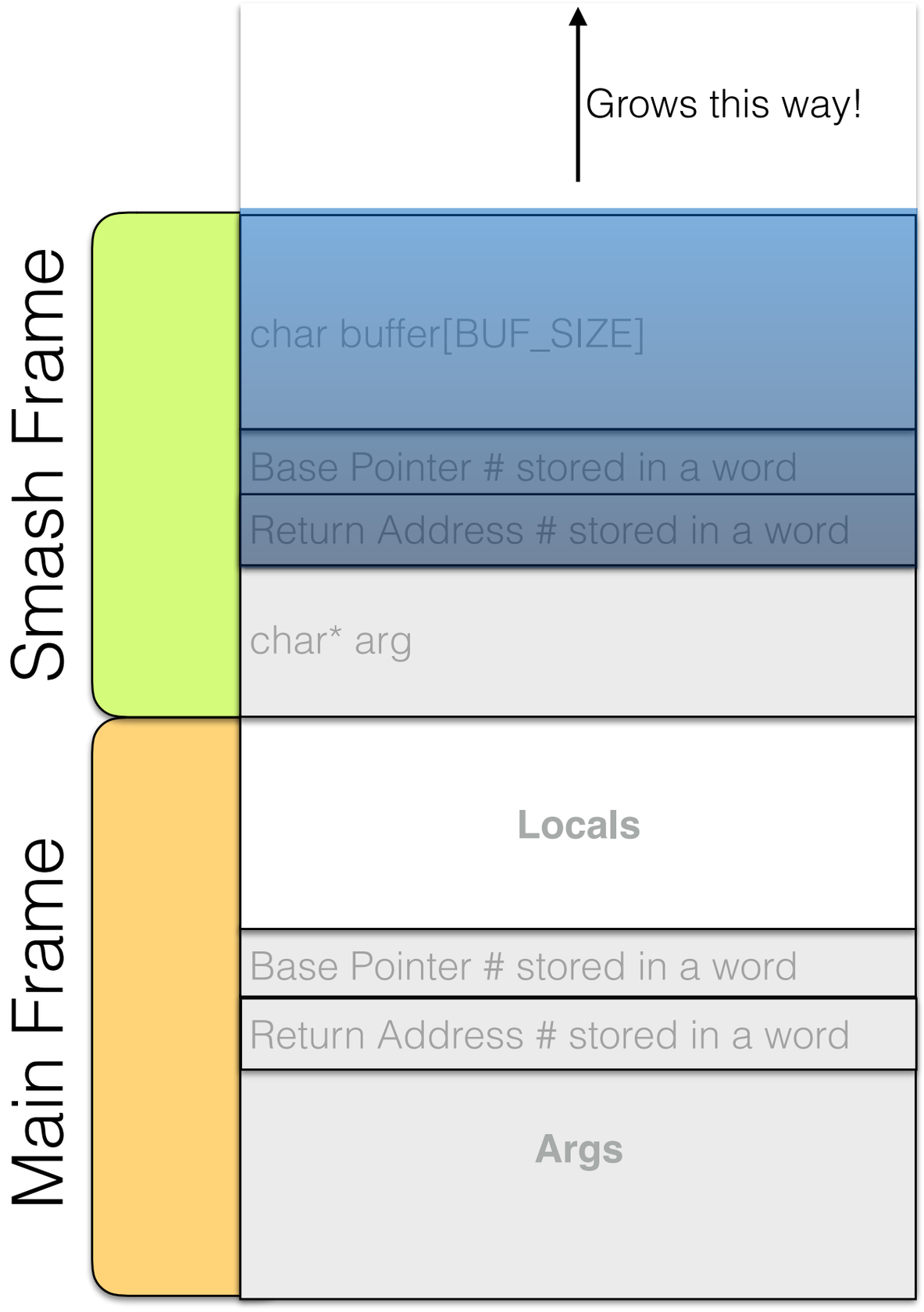

Command Line Values

Command line arguments

- We'll submit the data via the program command line
- Read it from the **argv[]** argument vector
- Pass it into the **smash(.)** function
- Copy it into a local buffer

Tools

- GDB (for debugging and core files), python

Let’s get to it.